

A Higher Order of Cybernetic Machines, by
L. F. Sharol', 33 pp.
RUSSIAN, rpt, K Novoye v Zhizni, Nauke, Tekhnike,
No 24, 1963, pp 1-39.
JPRS 25927

Sci - Misc
Aug 64

265,682

New Life of Glass, by B. L. Rudoy.

RUSSIAN, bk, Novaya Zhizn'stekla, Tekhnika, Series 4,
No 2, 1963, pp 27, 28.

*FTD-TT-63-189

Sci - Phys

Feb 63

(FDD 20472)

On Soviet Trade, by G. Gurdzhiyan, 15 pp.

RUSSIAN, irreg per, Novyy Zhur, Vol XXXI,
New York 1952, pp 253-263.

CIA/FDD/U-5747

USSR
Economic - Trade

COPYRIGHT

12,405

Savinkov and Oppenput , by I. Mikulich
RUSSIAN, per, Novyy Zhurnal, #75, 1964,
pp 185-194

JPRS CSO DC 12912

USSR
Pol-Espionage
Jan 67

318,104

Novabr' - Dekabr', No 6, 1963.

Full Translation by Foreign Technology Division-
ET-34-83

Available at Library Serials

Aug 65

Non-Linear Oscillations of Rarefied Plasma. I.,
by A. A. Vedenov, E. P. Velikhov, et al., 59 pp.
RUSSIAN, ~~per~~, ~~Nuclear~~ Russian, Vol. I, No 2, 1961,
pp 82-100, 9207678.

AEC-HP-Tr-955

Sci - Phys

Jun 63

231,915

A Nanosecond Pulse Generator and Shaping
Circuit with Avalanche Transistors, by J.J.
Samueli.
RUSSIAN, per, Nuclear Ins and Methods, vol.
26, 1964, pp.71-76.
NTC 70-16992-18D

Indicators, Vol. 7, 1962-1963

Full Translation from the 1962-1963

Available from Library of Congress

Translation from the 1962-1963

Aug 66

The Biological Role of Nucleic Acids, by O. P. Chapiro
157 pp.

RUSSIAN, hr, Nukleinovye Kisloty i ikh Biologicheskiye
Rol', 1956.

OTS 60-51177
FL-480

Sci - Biol

Jun 62

PST 383

198, 066

Optimum Time of Measuring Activity in the
Presence of Unknown Background. I. Non-
simultaneous Measurements of Sample and back-
ground, by L. Yarkovich and S. Sterlin'skiy,
RUSSIAN, per, Radiofizika, Vol 18, 1964,
pp 697-703,
NRL 9022.09 (4129)

Sci-Fuel Sci

Apr 67

324,160

Calculation of Total Effective Cross Section for
the Scattering of Sub-thermal Neutrons in Water
and Ice According to a Crystal Model, by G.

Grossman.

RUSSIAN, per, Nukleonik, No 4, 1962, pp. 110-122.

NLL Ref: 9091.9F (NII Trans 227)

sci-~~mark~~ physcis

62-12734

Fedorov, E[vgenii] F[avlovich].
NUTATION AND FORCED MOTION OF THE
EARTH'S POLE, FROM DATA OF LATITUDE
OBSERVATIONS. 1962, approx. 270p.
Order from FP \$8.00

I. Fedorov, E. P.
II. Pergamon Press, Inc.,
New York

Trans. of *Nutatsiya i Vynuzhdennoe Dvizhenie*
Polyusov Zemli po Dannym Shirotnykh Nablyudenii,
Kiev, 1958, 142p.

DESCRIPTORS: *Earth, Motion, Rotation,
Elasticity, Deformation, Inertia, Astronomical data,
Corrections, Differential equations, Integration,
Numerical analysis, Geophysics, Diurnal variations.

201371

Office of Technical Services

(Earth Sciences, TT, v. 7, no. 8)

61-13080

Stanyukovich, K. P.
 THE THEORY OF DETONATION WAVES (Teoriya
 Detonatsionnykh Voln) trans. ed. by D. C. Puck and
 J. B. Hollwell. Feb 60. 57p. TIL/T. 4896a. M1745.
 AD-235 555
 Order from L.C. or S.L.A. m\$3.60, ph\$9.30 61-13080

Trans. of mono. Nuyentanyovskiy Dvizheniya
 Sploshnoy Sredey (The Unsteady Motion of a Continuous
 Medium) Moscow, 1955, chap. 7, p. 309-363.
 A complete translation is available from PP \$15.00,
 1960, 745p.

The topics are entitled: Fundamental laws and relation-
 ships of the theory of detonation and deflagration waves.
 Analysis of the possible motions of a medium behind a
 reaction front. The mechanism of combustion and deto-
 nation. Analysis of the processes of detonation and com-
 bustion in polytropic media. The equations of state of
 the detonation products of condensed explosive charges.
 and, the general laws of thermodynamics for the ex-
 panding detonation products of concentrated explosives.

- I. Detonation waves--
 Theory
- I. Stanyukovich, K. P.
- II. Title: Unsteady...
- III. TIL/T-4896a
- IV. DSR LLU M. 1745
- V. AD-235 555
- VI. Ministry of Aviation
 (Gr. Brit.)

148,693
 Dept. A Int
 RD516 37

Office of Technical Services
 (Chemistry--Physical,
 TT, v. 5, no. 7)

DEVELOPMENT AND APPLICATION OF COLD CATHODE TUBE,
BY T. FYETISOV, 6 PP.

RUSSIAN, PER, NYEDEL'YA, NO 7, 10-16 FEB 1963, P 11.

JPRS 18179

SCI - ELEC

MAR 63

225,153

Biochemical Control of Tea Production, by
K. M. Dzhemukhadze. 7 pp.
RUSSIAN, bk, O Biokhimicheskom Kontrole Chainogo
Proizvodstva, May 64.
SLA TT-64-19116

Sci/B&M
Jul 66

303,826

On the Biological Bases of Anticancer Immunity,
by N. N. Mayakiy, 46 pp.

RUSSIAN, bk. 9 Biologicheskikh Osnovakh Proti-
voraikovo Immuniteta, Moscow, 1955, pp 3, 5-12.

CIA/FDD U-8226

USSR
Sci - Medicine, biology
April 1956 CTS/dax

34,180

Biological Effect of Small Doses of Ionizing
Radiation, by V. A. Gubin, Yu. I. Moskalev, 40 pp.

RUSSIAN, bk. O Biologicheskoye Delistvii
Ioniziruyushchey Emlatsiy v Malykh Dozakh, 1959.

AEC Tr-4086

Sci. - Med.
16 Feb 61

140,047

(NY-6842)

THE BIOLOGICAL ACTION OF ULTRAHIGH FREQUENCIES,
BY A. A. LETAVET, Z. V. GORDON, 142 PP.

RUSSINA, BK, O BIOLOGICHESKOM VOZDEYSTVII
SVERKHVYSOKIKH CHASTOT, 1960, PP 1-134.

JPRS 1247L

SCI - ELECTRONICS
MAR 62

183,175

CONCLUSIONS, FROM THE SECTION: REACTIONS OF THE
CHEMICAL EFFECT OF ULTRASONICS ON WATER AND WATER-
SOLUBLE SUBSTANCES, BY M. S. LEVINSON, 7 PP.

RUSSIAN, BK. O KHIMICHESKOM I BIOLOGICHESKOM DEYSTVII
UL'TRAZVUK, KRASNOYARSK, 1962, PP 74-81.

JPRS 21590

BIOL MED SCI
OCT 63

240,461

CONCLUSIONS, FROM THE SECTION: REACTIONS OF YEAST
CELLS TO ULTRASONIC ACTION, BY G. S. KOMOLOVA, 6 PP.

RUSSIAN, BK, O KHIMICHESKOM I BIOLOGICHESKOM DEYSTVII
UL'TRAZVUKA, KRASNOYARSK, 1962, PP 156-163.

JPRS 21590

BIOLOGICAL MED SCI
OCT 63

240,462

S-837/63

Table of Contents & Conclusions from The Chemical and Biological Action of Ultrasound, by T. A. Gurevich.

RUSSIAN, bk, O Khimicheskoi i Biologicheskoi Deystviu Ul'trazvuka, 1962, pp 74-81; 156-163; 204; 206-207.

*JPRS/SF-2834

Sci - Biol & Med Sci
Sept 63

(SC-5186)

Cybernetics, by L. Grinolev, 27 pp.

RUSSIAN, pamphlet, O Kibernetika, 1959, 32 pp.

JPRS 8002

Sci - Engr

May 61

154,114

(NY-3692).

The Acid-Base Catalysis of Hydrogen Isotope
Exchange Reactions, by A. I. Shatenshteyn, Ye. N.
Zvyagintseva, Ye. A. Yakoleva, Ye. A. Izrailevich,
Ya. M. Varshavskiy, M. G. Lozhkina, A. V. Vedeneyev,
22 pp.

RUSSIAN, bk, O Kislотно-osновном Katalize
Reaktsiy Izotopnogo Obmena Bodoroda, pp 218-233.

JPRS 5430

1026,548

USSR Sci - Chem Sep 60

On K-Heson-Hyperon Resonances, by A. I. Baz', V. G.
Vains, A. I. Larkin, 38 pp.

RUSSIAN, bk. O K-Heson-Hiperonnykh Resonansakh,
1962, 9093481

AEC UGRL Tr-807

Sci. - Nuc. Phys
Jul 62
Idet 70

204,738

On the Most Suitable Distance Between Spur Roads
for Timber Extraction, by M. M. Kcrunov, 4 pp.
RUSSIAN, per. O naivygodnaishem rasstoyanii
mezhdn lesovoznyzhi usadi. -- Lesnaya Promyshlennost',
Vol 36, No 9, 1958, pp 12-15.
*CSFTI TT 68-50408

Sci/Nat
Feb 68

Investigation of Structural Changes in High-Alloy
Ferrite-Austenitic Steels, by Sie-Si-San & J.

Cadek, 45 pp.

RUSSIAN, per, O Hareznaveitch Ocelich, 1963,
pp 140-180.

FTD-MI-66-09

P100366567

Sci/Mat
Jan 68

348,329

The Deep Water Plankton of the Sea of Japan, by
M. Ye. Vinogradov.
RUSSIAN, per, O Planktone Glubinykh Vod Yaponskogo
Morya. Zoologicheskii Zhurnal, Vol 39, No 4,
1960, pp 500-508.
Dept of Navy MOO tr 397

Sci/Ear Sci
Mar 68

350,959

On Practical Problems of Dosimetry of Ionizing
Radiations, by P. N. Kirochigov, 131 pp.

RUSSEIAN, bk. O Prakticheskikh Voprosakh Dozimetrii
Ioniziruyushchikh Izlucheniya, 1962, pp 5-135. ~~SECRET~~

9689640-V

FTI-TI-63-587

Sci. & Tech. Sci.
Dec 68

243,541

SOVIET RESEARCH IN RADIATION CONTROL, BY
PETR NIKOLAYEVICH KODOCHIGOV, 12 PP.

RUSSIAN, BK, O PRAKTICHESKIKH VOPROSAKH
DOZIMETRII IONIZIRUYUSHCHIKH IZLUCHENIY, MOSCOW,
1962, PP 23-26, 74-78.

JPRS 18552

SCI - INUC SCI - TECH

APR 63

227,430

Concerning Radiational Overheating of the (Soviet)
Omb Radiosonde and Its Effect on the Results of an
Atmospheric Sounding, 17 pp.

RUSSIAN, monograph, O Radyatsionnoi Peragretsi
Grebenchatogo Radiosonda i Ego Vliyaniy na
Rezultaty Sumbirovaniya Atmosfery.

SLA 59-11686

Sol
Dec 59
Vol. 2, No 4

102,750

On Various Geometries, by N. I. Polshiy.

RUSSIAN, mono, O Razlichnykh Geometriyakh, Kiev,
1982, 100 pp.

*API

Sci.
Jul 83

(DC-3749).

The Development of the World Socialist System
Toward Communism, by P. N. Fedoseyev, I. P.
Fomelov, 36 pp.

RUSSIAN, brochure, O Razvitií Mirovoy Sotsialistich-
eskoý Sistemy k Kommunizmu, 1959, pp 1-39.

JPRS 3772

USSR
Soc - Pol
Sep 60

125, 146

Collection and Dissemination of the Daily Summary of
Solar and Geophysical Data of the European-Asiatic
Region, by E. I. Mogilevskiy, 8 pp.

RUSSIAN, photostat, O Sboze i Rasporstraneni.
Yezhednevnykh Svoelok Solnrechnykh i Geofiz Dannykh
Yevropeysko-Asiatskogo Regiona, Moscow, 1957, pp 2-7.

US JPRS/DC-L-114

Sci - Geophysics

61,152

Soviet Military Science, by G. I. Lazlov,
A. V. Sainov, et al. 476 p.
RUSSIAN, in, 3 Sovetskoy Vozdukhoy Floty (Vzroynoye.
Pererabotannoye i Dopolnennoye Izdaniye), 1964,
pp 1-495 P100537467-V
FTI-FT-66-259

military
dec 67

345, 75

Concerning Subsidized Branches of Industry, 15 pp.

~~SECRET~~

RUSSIAN, typed ms, O Subsiderobannykh Otrasyakh
Promyshlennosti, pp 1-13.

CIA/FDD/X-1998

USSR

Econ - Industrial subsidies

31,452
DO NOT PUT IN JTS

On the Essence of Life, 357 pp
RUSSIAN, bk, O Sushchnosti Zhizni, 1964, pp 1-351.
JPRS 29364

USSR
Sci-B/M
May 65

279,370

Concerning Relation Between Regional Magnetic Anomalies
of The Siberian Platform and the Basaltic Layer of
the Earth's Crust, by A. P. Bulmasov.

RUSSIAN, bk, O Svyazi Regional'nykh Magnitnykh Anomaliy
Sibirskoy Platformy s Bazaltovym Sloyem Zemnoy Kory.

AGIC

Sci - Earth Sci & Astron
Nov 63

241,337

The Dirty Work of Allen Dulles, 15 pp.

RUSSIAN, bk, O Tekh Kotoriy Protiv Mira, Moscow, 1957,
pp 157-171.

JPRS/DC-2901

US
Pol
Jul 59

On the Thermalization of Neutrons in a Heterogeneous
Reactor, by A. D. Galanin, 11 pp.

RUSSIAN, in: O Termalizatsii Neutronov v Geterogennom
Reaktore, 1960. 2094523

ABO Tr-4677

Sci - Phys
Dec 61

176,845

Theoretical Conception of Mortality of Bark
Beetles, by I. V. Pan'shin.

RUSSIAN, per. O teoreticheskoj kontseptsii
samoudusheniya korodov -- Vestnik Sel'
skokhozyaistvennoi Nauki, Vol. 7, No 3, 1962,
pp 133-134.

*CSFTI TT 68-51402

Sci/B & M
Feb 68

On the Recording Accuracy of Contacts of the
Earth's Umbra With Lunar Formations, by S. V.
Drozdov.

RUSSIAN, in, O. Tschonowci Registratsii Kontaktov
Zemnoj Teni C Lunnyai Obrazovaniyami, Moscow,
1961, pp 26-29.

ACIC

Sci - Geophys

221, 429

Feb 63

The Accuracy of Continuous Triangulation
Networks, by K. L. Provorov. 194p.
RUSSIAN, mono, O Tochnosti Sploshnykh Setei
Triangulyatsii, 1956
SIA AD-627 721

Sci-E Sci
Sept 66

310,392

Concerning Precision Methods in Linguistic Research,
by O. S. Akhmanova, et al.

RUSSIAN, bk, O Tochnykh Metodakh Issledovaniya
Yazyka, 1961, 162 pp.

*Rand

Sci - Misc
Aug 62

S-1475

12-11200

Mechanisms of Trophic Effects and Conclusion,
by A. K. Podshibyakin. (AP 1894)
RUSSIAN, bk, O Troficheskoy Funktsii Nervnoy Sistemy,
Kiev, 1964, pp 40-53.

*JPRS

Sci-B/M
Feb 65

Articles in Prices and Price Fixing in the
USSR, by S. V. Stolyarov, 123 pp.
RUSSIAN, bk. 6. Issledni i issledovaniia
v SSSR, 1963. - Moscow; pp 3-5; 12-40; 86-
114; 127-172; 192-216.
OPAS 32,668.

USSR
ECON
May 65

291,746

TRI-62-44

Cyclotron Absorption of Electromagnetic Waves in
Plasma, by L. S. Bogdankevich, A. A. Rukhadze, et al.

RUSSIAN, rpt, O Tsiklotronnom Pogloshchenii
Elektromagnitnykh Voln v Plazme.

*JPRS for AEC

Sci
Oct 61

The Water Capacity of Peats, by A. A. Grebenshchikova.
RUSSIAN, per, O vlagosostoi torfov. -- Poch-
vovedenie, No 9, 1956, p 102.
*CSFTI TT 68-50407

Sci/B & M
Feb 68

Just and Unjust Wars, by Ye. Khomenko, 20 pp.
UNCLASSIFIED

RUSSIAN, bk, O Voynakh Spravedlivykh i
Nespravedlivykh, 1954, Encl to AFOIN-1A1 Report No
IR-257-55, 6 Apr 1955. CIA D 207773

AF 659478

24/183

USAR
Military

Jun 55 CTS/DEX

ON THE POSSIBLE AND IMPOSSIBLE IN OPTICS, BY
G. G. SLYUSAREV, 163 PP.

RUSSIAN, BK, O VOZMOZHNOI I NEVOZMOZHNOI V
OPTIKE, 1960, PP 1-190. 9677918

FTD-TT-62-175

MOSS I-3023 5/11/62
IO 2211498 207,956

SCI - PHYS
AUG 62

Possibility of Experimental Study of the
Properties of Time, by N.A. Kozyrev, 28 pp.
RUSSIAN, per, O Vozmozhnosti Eksperimental'-
nogo Issledovaniya Svoystv Vremeni, Sept 67,
pp. 1-40.
JPRS 45,238

Sci-Physics
May 68

356,050

(DC-3901)

Selection of a System of Instructions for
a Three-Address Computing and Logical
Machine With a Floating Point, by Yu. A.
Golubkov, L. N. Korolev, A. V. Lebedev,
39 pp.

RUSSIAN, bk. O Vybere Sistemy Komand
Dlya Trekhadresnoy Vychislitel' i Logicheskoy
Mashiny Flavayushchey Zapyatory" 1961,
40 pp.

181.309

JPRS 11985

Sci - Misc . Machine Translation

Calculation of the Thermal Utilization Factor (A
Review), by A. D. Galanin, 26 pp.

RUSSIAN, bk, O Vychislenii Koeffitsienta Teplovogo
Izpol'zovaniya, 1960. AD-7591

^r
AEC TR-4678

Sci - Nuc Phys
Feb 62

182,500

TRI-62-75

~~O Vznikaeni i Razvitiya Elektronnogo Puchka s Plazmoi v~~
Magnetnom Pole, by E. A. Rashitskiy.

RUSSIAN, Conference on Plasma Physics and Controlled
Nuclear Fusion Research, Salzburg, Sep 4-9, 1961.
IAEA-CT-252

UPERS for AIC

Sci - Hqs Phys
Oct 61

On Party Unity, by V. M. Churayov, 64 pp.

PP. **TRUSSKIAN, pamphlet, O Yedinstvo Partii, Moscow, 1958, pp 3-64.**

JPRS 661-D

USSR

Pol - Communist Party Doctrine

May 59

86,748

On Problems of Further Rise in Industry, Technical
Progress and Improvement in Organization of Produc-
tion, by N. A. Bulganin, 88 pp.

RUSSIAN, bk O Zadach^akh po Dal'neyshemu Pod'yemu
Promishlennosti Tekhnicheskomi Progressu i Uluchsheniyu
Organizatsii Proizvodstva, 1955, pp 1-80.

ATIC F-TS-9100/III

USSR

54, 207

Econ

Oct 57

The Contamination of Vegetation by Sr-90 and

The Contamination of Vegetation by Sr-90 and
Cs-137 in 1961, by V. P. Shvedov, S. P. Rosyanov, et al,
RUSSIAN, rpt, O Zaryaznenni Rastitel'nosti
Srochnyem-90 i Tselem-137 v 1961g, Moscow, 4 pp.
1963, 7 pp. 9 224861
*AEC-TR-6448

Sci-Biol & Med
Jul 64

(SF-1432)

The Health of the Very Young, by Aleksandr
Fedorovich, 27 pp.

RUSSIAN, ~~THE~~ brochure, O Zdrov'ye Bamykh
Malen'kikh, 1960, pp 2-32.

JFTS 4409

Sci -Med

Mar 61

142,031

English Title Unknown, by I. T. Vasilchenko,
60 pp.

RUSSIAN, per, O Znachenii Morfologii Pror-
astaniia Semian dlia Sistematiki Rastenii i
Istomi ikh Proiskhozhdeniia. Trudy Botaniches-
kogo Instituta AN SSSR, Vol 3, No 1, 1936,
pp 7-66.

*CFSTI TT 68-50496

Sci/B&M
Nov 68

English Title Unknown, by I. T. Vasilchenko,
22 pp.

RUSSIAN, per, O Znachenii Morfologii Pror-
astaniia dlia Filogeneticheskoi Sistematiki
Tsvetkovykh Rastenii. Sovetskaia Botanika,
Vol 3, 1938, pp 19-40.

*CFSTI TT 68-50497

Sci/B&M
Nov 68

(A-5160)

(100-2885).

The Mechanism of Dental Adaptation, by E. G. Korobko, 7 pp.

RUSSIAN, bk, Oritel'nyy Ispytaniy Admistratsii,
Leningrad, 1955, pp 55-60.

3733-503-D

Sci - Med - Physiology
Box 59

97035

S-5168

(NY-2885).

Mechanical Theory of Vision, by D. G. Korobkin,
5 pp.

RUSSIAN, bk. 6 Zritel'noy Tekhnologii Adaptatsii,
Leningrad, 1958, pp 82-88.

JMW-303-D

Sci - Med, Physiology
Sep 59

97,036

S-5168

(IS-2005)

Reproductive Study of R Dark Adaptation, by B. H. L.
Korobko, 20 pp.

RUSSIAN; ~~1955~~ 1955, O Zritel'noy Pomozhoy Adaptatsii,
Leningrad, 1955, pp 207-214.

MRS-903-D

Sci - Med, Physiology
Sep 59

97,037

On Adiabatic Variants for a Plasma in a Magnetic
Field, by M. B. Fagaberg, V. E. Kordina, 6 pp.

RUSSIAN, bk, Ob Adiabeticheskikh Variantakh dlya
Plazmy v Magnitnom Pole, 1960. 8094526

AEC Tr-4733

Sci. - Phys
Dec 61

176, 177

Arbitration and Legal Organs and Their Role in the
Activities of the Maritime Fleet. USSR, 15 pp.

(Ob Arbitraznykh i Sudebnykh Organakh i ikh Roli v
Deyatel'nosti Morskogo Flota SSSR)

UT-4298

~~00-729~~

USSR Econ
(OUT ON UT)
4298

The Effects in the Vicinity of a Body Moving
Through Rarefied Plasma, by Ya. L. Alpert.

Effektakh

RUSSIAN, mono, Ob Effekakh v Okrestnostyakh
Dvizhashchegosya v Razrezhennoi Plazme Tela,
Moscow, 1963,

*CB

Sci-
Nov 63

On the Electrons in the Composition of
Primary Cosmic Rays, by V. L. Ginzburg,
G. G. Gerasimov, M. I. Fridkin.

RUSSIAN, rpt, Ob Elektronakh v Sostave
Pervichnykh Kosmicheskikh Luchey, 1954,
pp 149-190.

NASA TT F-81.59

Sci
7 Mar 62
US GOV'T ONLY

185, 938

S-5505

(NY-3085).

The Historical Approach in the Study of the
Psychology of Man, by A. N. Leont'yev, 47 pp.

RUSSIAN, bk, Ob Istoricheskom Podkhode v Izuchenii
Psikhiki Cheloveka, pp 9-41.

JPRS-L-1134-N

Sci - Med
Dec 59

104, 331

On the Emission of Solar Corona in the Soft
X-Ray Region, by H. P. Fetisov.
RUSSIAN, rpt. Ob Izlucheni Solnechnoi Korony v
Miyagnoi Rentgenovynnoi Oblasti, 1963, pp 1-12.
*Navy/NRL

Sci - Phys
Sep 64

Measurement of the Density of a Plasma With the
Aid of a Resonant Circuit, by N. G. Sinitso, 26 pp.

RUSSIAN, bk, On Immerent Plotnosti Plazmy s
Promoshch'yu Kolebatel'nogo Kontura, 1960. 3019539

AEC Tr-4731

Sci. - Phys
Dec 61

196, 846

A Method of Analyzing the Reliability of Functional
Schemes for Digital Computers, by S. S. Babara.
RUSSIAN, par. Obchyslyvval'na Matematyka i
Tekhnika, 1963, pp 90-99.
*FTD-TT-65-347

ScilEng
Mar 65

Synthesis of Schemes of Automats From
Elements With Direct Connection, by
L. V. Matsevityy, 7 pp.
RUSSIAN, per, Obchyslyuval'na Matematyka
i Tekhnika, Ak Nauk Ukrain RSR, 1963,
pp 100-103. P100023167
FTD-TT-65-1633

Sci - Mech, Industrial, Civil
& Marine Engr
Feb 67

3

318,854

An Alternate Version of an Information System
Which Uses a Ferrite Storage System,
by I. I. Moroz.
RUSSIAN, per, Obshchuyuval'na Matematykh i Tekhnika,
1963, pp 113-117.
*FTD-TT-65-347

Sci-Engr
Mar 65

Quasi-averages in Problems of Statistical
Mechanics, by N. N. Bogolyubov.

RUSSIAN, per, Ob'edinennyi Institut Yadernykh
Issledovaniy D 781, 1961.

ALL RIS 2474 (On Loan or Purchase)

Aug 65

286,979

TRI-62-78

Ob Elektromagnitnykh Volnakh, Rasprostraneniye i
v Magnitoaktivnoi Plazme Paperek Vneshnego Magnitnogo
Pola, by Yu. N. Doestrovskiy.

RUSSIAN, Conference on Plasma Physics and Controlled
Nuclear Fusion Research, Salzburg, Sep 4-9, 1961.
IAEA-CN-257

*JPRS for ARC

Sci - Nuc Phys
Oct 61

Chetverikov, I. A.

OPERATIONAL EXPERIMENTAL METHOD OF OBJECTIVE ANALYSIS OF THE GEOPOTENTIAL FIELD (Operativnoe Ispytaniye Skhemy Ob'ektivnogo Analiza Potentsiala) tr. by Harold K. Gold. Jul 53, 10p. Srefs WB/T-98.
Order from OTS \$0.50

63-11702

Trans. of mono. Ob'ektivnyi Analiz i Prognoz Meteorologicheskikh Elementov (a symposium) Akad. Nauk USSR, 1963, p. 14-21.

DESCRIPTORS: *Weather forecasting, *Barometric pressure, Meteorological charts, Maps, Meteorological data, Meteorology, Numerical analysis

The method of objective analysis by the method of optimum interpolation permits giving the best approximation of the geopotential field for purposes of numerical forecasting by using data of the geopotential only (for Earth Sciences--Meteorology, TT, v. 10, no. 10) (over)

63-11702

- I. Chetverikov, I. A.
- II. WB/T-98
- III. Weather Bureau,
Washington, D. C.

Office of Technical Services

Objective Analysis and Forecast of Meteorological
Elements.

RUSSIAN, bk, Ob'ektivnyi Analiz i Prognoz
Meteorologicheskikh Elementov, Moscow, 1963,
pp 3-41, 54-62.

*Weather Bureau

Sci - Earth Sci & Ast
22 Apr 63

Correction of Amplitude Spectra Using a Digital
Computer, by G. I. Zakharkin, V. I. Prakhod'ko,

9 pp.

RUSSIAN, per. Ob'edinenyiy Institut Yadernykh
Issledovaniy.

Dept of Navy ONI tr 2481

Sci-Electronics

Nov 67

343,755

Purification of Waste Waters Resulting From the
Manufacture of Dicyclohexylamine Nitrite (NDA).
by N. F. Sharonova, A. A. Lifshits, 10 pp.
RUSSIAN, rpt. Obezvrezhivaniye Stokhnov Vody
Proizvodstva Nitrita Ditsiklogeksilamina (NDA).
Dept of Navy NIC Tr No 2644 F50023568-V

Sci-B and M
Oct 68

367,816

Manned Space Stations, by I. N. Buĭnov, L. N.
Kamanin, 161 pp.
RUSSIAN, bk, Obitayemye Kosmicheskiye Stantsii,
1964, pp 1-189.
JPRS 28390

USSR
Sci-Aerospace
Feb 65

273,958

Cloud Modification, by Nikolay Sergeyevich
Shishkin, 38 pp.
RUSSIAN, bk, Oblaka, Osadki i Grozovoye Electri-
chestvo, 1964, pp 286-317.
JPRS 28438

Sci-Ear Sci & Astron
Feb 65

273,904

Foreword and Table of Contents of 'The Permafrost Region
as a Special Physico-geographical and Structural
Region, by K.I. Lukashev, 8 pp. UNCLASSIFIED

RUSSIAN, Oblast' rechnoi Merzloty kak osobaya
fiziko-geograficheskaya i stroitel'naya oblast', 1938.

Air Res & Dev Command
Baltimore, Md.

Scientific - *Geophysics*
Geophysics

Mar 54 CTS/DEX

10,644

the Metabolism of Iodine and the Thyroid Hormones,
by Ya. Kh. Turakulov, 197 PP.

RUSSIAN, bk, Obmen Ioda i Tireoidnye Gormony, 1959,
175 PP.

OTS 60-21167
PL-480

Sci - Med

ul 61

ST No 208

160,501

62-10579

Korshun, M. O. and Gel'man, N. E.
APPARATUS FOR SULFUR MICRODETERMINATION:
COMMUNICATION 4 (Apparatura dlya
Mikroopredeleniya Sery. Soobshchenie 4). [1962]
[9]p. (foreign text included) 3 refs.
Order from OTS or SLA \$1.10 62-10579

Trans. of mono. Obmen Opytom i Tekhnika
Laboratornoi Raboty (Exchange for Experiments and
Technical Laboratory Work) n.p., n.d., p. 754-756.

DESCRIPTORS: *Sulfur, Microanalysis, *Laboratory
equipment, Determination.

(Chemistry--Analytical, TT, v. 8, no. 12)

I. Korshun, M. O.
II. Gel'man, N. E.
III. Title: Exchange...

Office of Technical Services

Electrical Machine Winder, by N. Vinogradov,
RUSSIAN, bk, Obmotchik Elektriceskikh Mashin,
385 pp.
Mir Publishers (Available CIA Library)

Jan 67

Detection of Pulse Signals by Digital Storage
Units, by N. F. Klyuyev.
RUSSIAN, bk, Obnaruzheniye Impul'snykh Signalov
s Pomoshch'yu Nakopitateley Diskretnogo Deystviya,
1963, pp 1-111. P100229167-V
FPD-MT-65-198

Sci-Nav
Aug 67

338,172

Fire Detection of Corpuscles With the Aid of the
Third Artificial Earth Satellite (Sputnik), by V. I.
Krasovskiy, Yu. M. Kashnir, G. A. Bordoysky, et al,
4 pp.

RUSSIAN, pp. Otkrytiye Korpuskul pri Pomoshchi
Tret'ego Iskusstvennogo Zemli Sputnika Zemli, Iul 1958,
(5-th Assembly of IGY in Moscow). 2676962

Heavy 2410/NEL 772

Sci

Generalized Analytic Functions, by I. N. Vekua,
668 pp.

RUSSIAN, bk. Obobshchennye Analiticheskie
Funktsii, Moscow, 1959, 628 pp.

Addison - Wesley
Pub Co. Inc.
Reading, Mass.

Sci 145544 Phys
Feb 63

223,530

Gel'fand, Israel' Moiseevich and Shilov, G. E.
GENERALIZED FUNCTIONS [AND OPERATION ON
THEM] (Obobshchennye Funktsii i Deistviya Nad Nimi)
E. Saksan, tr. 1964
Order from API \$12.00

Trans. of Obobshchennye Funktsii (USSR) 1959, v. 1,
470p.

(Mathematics, TT, v. 12, no. 4)

TT-64-22126

- I. Gel'fand, I. M.
- II. Shilov, G. E.
- III. Academic Press, Inc.,
New York

Office of Technical Services

Dissemination of Experience of the Leading Workers
in the Photogrammetric Industry, by N. T. Zavarze, 79 pp.

Full tr

RUSSIAN, bk, Obobshcheniye Opyta Peredovikov Kameral'nogo
Proizvodstva, Moscow, 1954, pp 1-79.

ATTC P-TS-8636/V

USSR
Economic
Feb 1957 GTS/daa

44,370

Method for the Investigation of Boiling by an
Analysis of Fluctuations Induced in a Reactor,
by A. Iftode, A. Mikhele, et al. 11 pp.

RUSSIAN, rpt. Ob Odnom Metode Issledovaniya
Kipeniya Analizom Flyuktuatsii Vyavanykh V
Reaktore, Apr 1963, NP-13442. 9232890
AEC AND-tr-302

Sci/Nuclear Sci
Jun 66

301,118

Anfimova, E. A., Glembovskii, V. A., and
Dokshina, I. D.

FLOTATION METHODS OF PROCESSING: THE
FLOTATION PROPERTIES OF SMITHSONITE. [1961]
7 pp. 2 refs. Varrick Spring Lab. Trans. NT844;
[DSIR LLU M.3193]

Order from OTS or SLA 51.10

61-28132

Trans. from mono. Olegashchenko Polezaykh
Iskopaemyykh (Mineral Dressing) Moscow, 1960,
sect. 1, chap. 3.

DESCRIPTORS: *Flotation, Processing, Minerals,
Reagents, *Zinc compounds, Carbonates, Ores,
*Sodium compounds, Sulfides.

The best medium for floating smithsonite is a weakly
alkaline one (pH = 7.4 - 8.0). When the sulphidation
temperature is 60-70° the optimum hydrogen ion con-
centration range is displaced towards a more neutral
(Metallurgy, TT, v. 6, no. 11) (over)

61-28132

- I. Title: Smithsonite
- I. Anfimova, E. A.
- II. Glembovskii, V. A.
- III. Dokshina, I. D.
- IV. Title: Flotation properties...
- V. Title: Mineral...
- VI. DSIR NT-844
- VII. DSIR LLU M.3193
- VIII. Department of Scientific
and Industrial Research
(Gt. Brit.)

1857-26

Office of Technical Services

Glemboskil, V. A. and Piklat-Ordynakaya, A. P.
 FLOTATION METHODS OF PROCESSING: THE
 RATE OF REACTION OF COLLECTORS WITH
 SULPHIDE MINERALS. [1961] [4]p. 4 refs. Warren
 Spring Lab. Trans. NT. 843; [DSIR LLU] M3192.
 Order from OTS or SLA \$1.10 61-28134

Trans. from mono. Obogasheniye poleznykh
 iskopaniykh (Mineral Dressing) Moscow, 1960.
 sect. 1, chap. 3.

DESCRIPTORS: *Flotation, Processing, *Sulfides,
 Minerals, Oxidation, Chemical reactions, Reagents,
 *Lead compounds.

The rate of reaction of collectors with mineral parti-
 cles is assessed by determining variations in the
 hydrophobicity of their surface as the contact time be-
 tween the reagent and the minerals is varied. From
 the experimental results it is possible broadly to
 (Metallurgy, TT, v. 6, no. 11) (over)

61-28134

- I. Glemboskil, V. A.
- II. Piklat-Ordynakaya, A. P.
- III. Title: Rate...
- IV. Title: Mineral...
- V. DSIR NT-843
- VI. DSIR LLU M. 3192
- VII. Department of Scientific
 and Industrial Research
 (Gt. Brit.)

1587.7

Office of Technical Services

Klassen, V. I. and Meshcheryakov, N. F.
 FLOTATION METHODS OF PROCESSING: VACUUM
 FLOTATION OF FINE SLIMES. [1961] [9]p. 12 refs.
 Warren Spring Lab. Trans. NT 842; [DSIR LLU]
 M3191.

Order from OTS or SLA \$1.10

61-28135

Trans. from min. Obogashchenie Poleznykh
 Iskopaemykh (Mineral Dressing) Moscow, 1960,
 sect. 1, chap. 3.

DESCRIPTORS: *Flotation, Vacuum apparatus,
 Bubbles, Minerals, Ores, Particles, Solutions,
 Minerals, Processing.

A comparative experimental evaluation of the floatability of particles smaller than 10 μ by air-bubbles liberated from solution and by air-bubbles dispersed by mechanical agitation of the medium showed that the first method is much the more efficient. Flotation of (Metallurgy, TT, v. 6, no. 11) (over)

61-28135

- I. Title: Slimes
- I. Klassen, V. I.
- II. Meshcheryakov, N. F.
- III. Title: Vacuum...
- IV. Title: Mineral...
- V. DSIR NT-842
- VI. DSIR LLU M. 3191
- VII. Department of Scientific and Industrial Research (Gt. Brit.)

186745

Office of Technical Services

Plaksin, I. N., Olofinelli, N. F., and Norkin, V. V.
ELECTRICAL AND ELECTROMAGNETIC METHODS
OF PROCESSING: THE DISTRIBUTION OF
CHARGED PARTICLES ALONG THE EARTHED
ELECTRODE WITH GROUP MIGRATION IN THE
ELECTRIC FIELD OF A CORONA DISCHARGE.
[1961] [19]p. 11 refs. Warren Spring Lab. Trans.
NT 845; [DSIR LLU] M3194.
Order from OTS or SLA \$1.60

Trans. from memo. Obogashchente Poleznykh
Iskopaemykh (Mineral Dressing) Moscow, 1960,
sect. 1, chap. 4.

DESCRIPTORS: *Particles, Physical properties.
*Separation, Distribution, Electrodes, Voltage, Re-
covery, *Electrical corona, *Minerals, Processing,
*Electric fields, Ores, Coal.
(Metallurgy, TT, v. 6, no. 11)

61-28131

(over)

61-28131

- I. Plaksin, I. N.
- II. Olofinelli, N. F.
- III. Norkin, V. V.
- IV. Title: Distribution...
- V. Title: Mineral...
- VI. DSIR NT-845
- VII. DSIR LLU M. 3194
- VIII. Department of Scientific
and Industrial Research
(Gt. Brit.)

185745

Office of Technical Services

61-27479

Nazarova, G. N., Okolovich, A. M., and
Plaksin, I. N.
FLOTATION DRESSING METHODS: THE USE OF
CERTAIN ALKYLARYL SULPHONATES FOR THE
FLOTATION OF POLYMETALLIC ORES. [1961] [9]p.
11 refs. Warren Spring Lab. Trans. NT 846;
DSIR LLU M3195.
Order from OTS or SLA \$1.10

61-27479

Trans. from mono. Obogashchenie Poleznykh
Iskopaemykh (Mineral Dressing) Moscow, 1960,
sect. II, chap. 2.

DESCRIPTORS: *Ores, *Flotation, *Sulfonates,
*Alkyl radicals, Benzyl radicals.

Of the individual products of a series of alkylaryl
sulphonates differing in the length of the hydrocarbon
radical, sodium dodecylbenzene sulphonate and tri-
decylbenzene sulphonate (C₁₂-12, C₁₃) were proved by
(Metallurgy, ITT, v. 6, no. 9) (over)

- I. Nazarova, G. N.
- II. Okolovich, A. M.
- III. Plaksin, I. N.
- IV. Title: Use...
- V. Title: Mineral...
- VI. DSIR NT-846
- VII. DSIR LLU M.3195
- VIII. Department of Scientific
and Industrial Research
(Gt. Brit.)

183585

Office of Technical Services

Consommation d'Energie Dans le Brucyeur a Boulets, by
N. P. Meronov. UNCL

RUSSIAN to FRENCH, per, Obogachcheniye Roud, No 1,
1957, pp 10-13.

IRSID T 1218
185, Rue President-Roosevelt
St. German-en-Laye
(S-et-O), France

12 735

AT-1

SHORSHER M. N.

Separating molybdenite-carrying concentrates by flotation

Über die Trennung molybdänhaltiger Kollektivkonzentrate
durch Flotation

Obogashchenie Rud, 3, No. 1, 3-12 (1958)

Ch, 1960/61, No. 105 - German

E u r a t o m